B. Amendment to the Claims

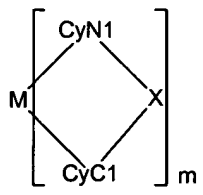
Please amend claims 1, 4 and 8-10 as follows.

1. (Currently Amended) A metal coordination compound represented by the following formula (1):

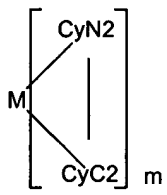
LmML'n (1),

wherein M denotes Ir, Pt, Rh or Pd; L denotes a bidentate ligand; L' denotes a bidentate ligand different from L; m is an integer of 1, 2 or 3; and n is an integer of 0, 1 or 2 with the proviso that the sum of m and n is 2 or 3,

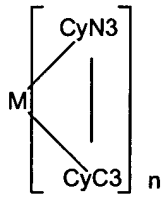
the partial structure MLm being represented by a formula (2) or a formula (3) shown below, and the partial structure ML, L' n being represented by a formula (4), [[or]] a formula (5) or a formula (6) shown below:



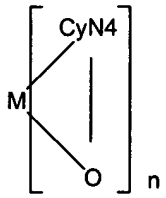
(2),



(3),



(4),



(5),

CH_3-CO-CH-CO-CH_3 (6),

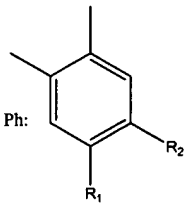
wherein:

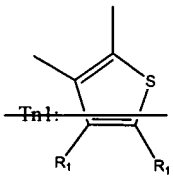
CyN1-CyN3 ~~CyN1-CyN4~~ are independently selected from the group consisting of Pr, Pd, Py1, Pa, Py2, and Pz2 [[Pz]] shown below;

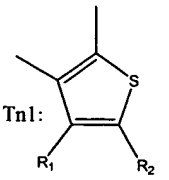
CyN4 a cyclic group comprising 8-quinoline or its derivative, having a nitrogen atom connected to M;

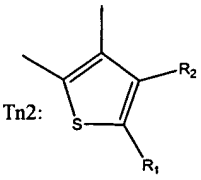
CyC1-CyC3 ~~CyN1-CyN4~~ are independently selected from the group consisting of Ph, Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2 and Pz1 [[Pz]]

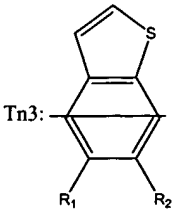
shown below; and X is selected from the group consisting of O, S, NR, CO, CR2 shown below:

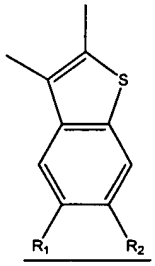
Ph: 

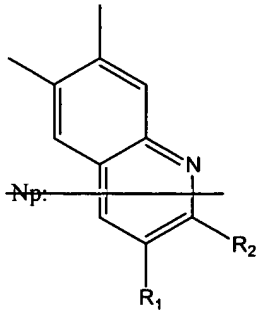
~~Tn1:~~ 

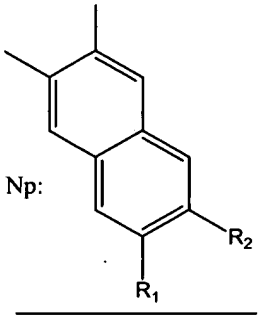
Tn1: 

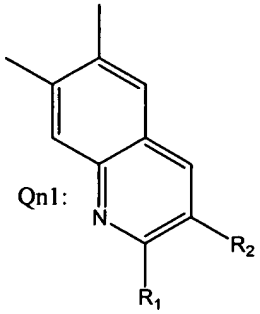
Tn2: 

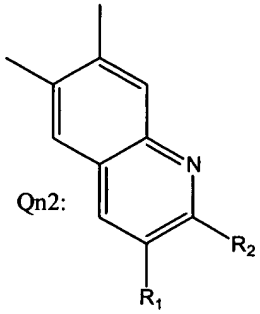
Tn3: 

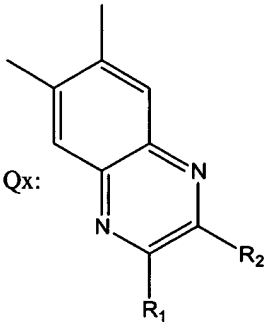


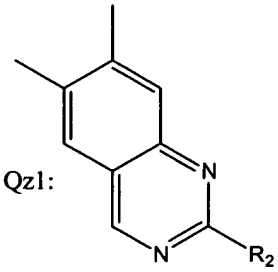
~~Np:~~ 

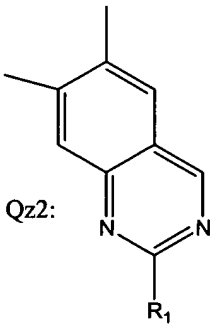
Np: 

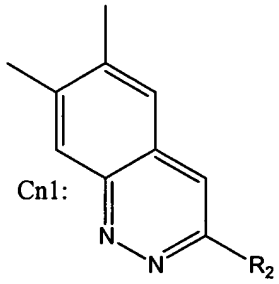
Qn1: 

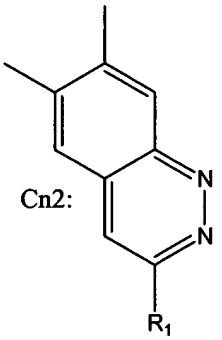
Qn2: 

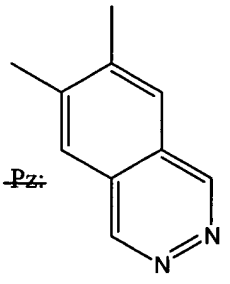
Qx: 

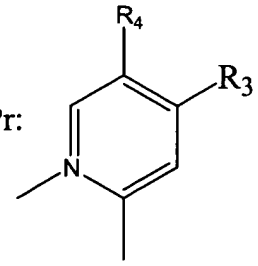
Qz1: 

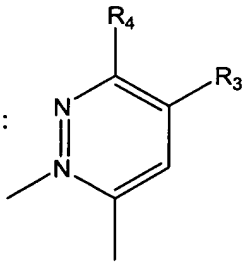
Qz2: 

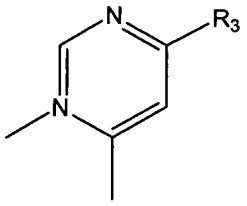
Cn1: 

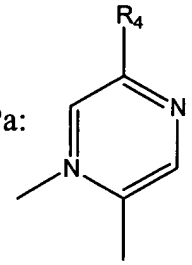
Cn2: 

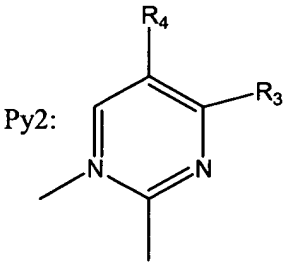
Pz1: ~~Pz:~~ 

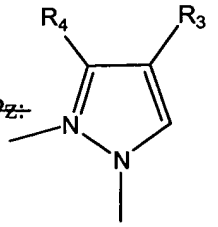
Pr: 

Pd: 

Py1: 

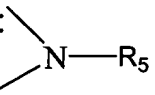
Pa: 

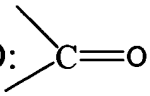
Py2: 

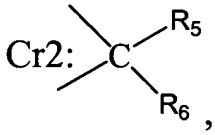
Pz2: ~~Pz:~~ 

O: 

S: 

NR: 

CO: 

Cr2: 

with the proviso that any one of the following conditions A) to K) [[P)]] is satisfied:

A) MLm is represented by formula (2); M is Ir, Rh, Pd or Pt; m=2 or 3; n=0, CyN1 is Pr, Pd, Py1, Pa, Py2 or Pz2 [[Pz]]; CyC1 is Ph, Tn1, Tn2, Tn3, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2 or Pz1 [[Pz]];

R_1=H;

R_2=H, CF_3 or OC_2H_5;

R_3=H, CF_3, $COOC_2H_5$ or CH_3;

R_4=H, CF_3, CH_3, OCF_3, or OC_2H_5;

R_5=H, phenyl, naphthyl, CH_3, or C_4H_9; and

R_6=H, CH_3, or C_4H_9;

B) MLm is represented by formula (2); M=Ir; m=2, n=0, CyN1=Pr; L'=CH_3-CO-CH-CO-CH_3; and any one of conditions i) to iv) is satisfied:

i) X=CR2; CyC1=Ph; R_1-R_6=H;

ii) X=CR2; CyC1=Tn1; R_1-R_6=H;

iii) X=CO; CyC1=Tn2; R_1-R_4=H; and

iv) X=CO; CyC1=Tn3; R_1-R_4=H;

~~C) MLm is represented by formula (2) or (3); ML L'n is represented by formula (4); m is 1 or 2; n is 1; M=Ir or Pt; one of CyN1 and CyN2 is Pr; X=O, CO, or NR; one of CyC1 and CyC2 is Ph, Tn1, or Qn1;~~

~~R_1-R_4 of L are H; R_5=CH_3 or C_2H_5; CyN3=Pr or Py1; CyC3=Tn1 or Ph; and~~

~~R_1 of L' is H or CH_3; and R_2-R_4 =H;~~

~~D) MLm is represented by formula (3), M L'n is represented by formula (4); M=Ir; m=2; n=1;~~

~~in MLm, CyN2=Pr; CyC2=Ph or Tn1; R_1-R_4=H;~~

~~in M L'n, CyN3=Pr; CyC3=Tn3, Np, Qn1, Qn2, Qx, Qz1, Cn1, Cn2, Pz, Ph or Tn3;~~

~~R_1=H or CH_3;~~

~~R_2=H or CF_3;~~

~~R_3=H; and~~

~~R_4=H or CF_3;~~

~~E) MLm is represented by formula (3); M L'n is represented by formula (4); M=Ir; m=1; n=2;~~

~~in MLm, CyN2=Pr, CyC2=Ph or Tn1; R_1-R_4=H; and~~

~~in M L'n, CyN3=Pr; CyC3 is Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2, Pz or Ph;~~

~~R_1=H or CH_3;~~

~~R_2=H or CF_3;~~

~~R_3=H; and~~

~~R_4=H or CF_3;~~

C) [[F)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1;

in MLm, CyN2=Py1; CyC2=Ph, R_1-R_4=H;

in M L'n, CyN3=Pr; CyC3=Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2, Pz1 [[Pz]], or Ph;

R_1=H or CH_3;

R_2=H or CF_3;

R_3=H; and

R_4=H or CF_3;

D) [[G)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=1; n=2;

in MLm, CyN2=Py1; CyC2=Ph; R_1-R_4=H;

in M L'n, CyC3=Pr; CyN3 [[CyC3]] =Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2, Pz2 [[Pz]], or Ph;

R_1=H or CH_3;

R_2=H or CF_3;

R_3=H; and

R_4=H or CF_3;

E) [[H)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1;

in MLm, CyN2=Py1; CyC2=Ph; R_1-R_4=H;

in ML'n, CyN3=Pz2 [[Pz]] or Pa; and

when CyN3=Pz2 [[Pz]],

CyC3=Tn1, Tn2, or Tn3; and

R_1-R_4=H;

when CyN3=Pa, [[.]]

CyC3=Qn1 or Qn2 and

R_1-R_4=H;

F) [[I)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1;

in MLm, CyN2=Py1; CyC2=Ph, R_1-R_4=H;

in ML'n, CyN3=Py1 or Py2; and

when CyN3=Py1 and R_1-R_4=H,

CyC3=Cn1, Cn2, or Pz1 [[Pz]]; ~~and~~

~~R_1-R_4=H;~~

when CyN3=Py2 and, then, in MLm, R_1-R_4=H,

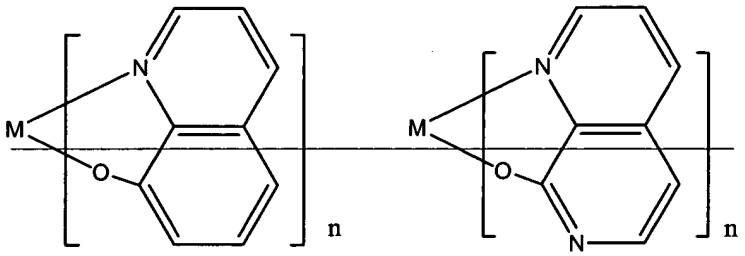
CyC3=Qx, Qz1, or Qz2; and

when CyC3=Ph or Tn3, in ML'n:

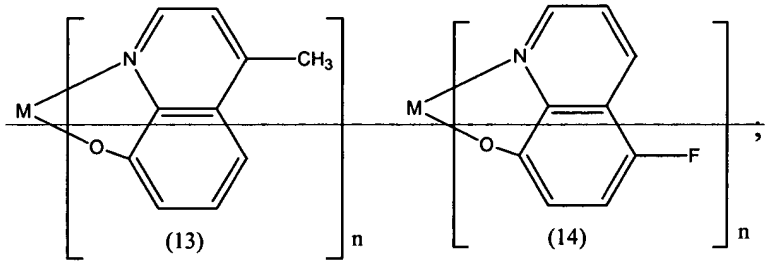
R_1 is CH_3 or H; ~~two of R_1,~~ R_2, and R_4 are, independently, H or CF_3 ~~and the remaining one thereof is CH_3~~; and R_3=H;

~~J) MLm is represented by formula (3); M=Ir; m=2; n=1; CyN2=Pr, Py1, Py2, Pz, or Pa; CyC2=Ph, Tn1, Tn3, Np, or Qn2; and R_1-R_4=H; and~~

~~L' is represented by the following formula (11), (12), (13), or (14):~~



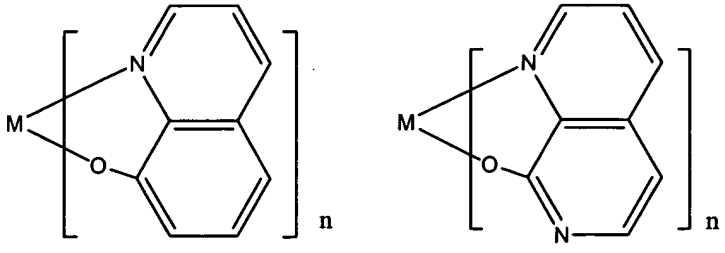
(11) (12)



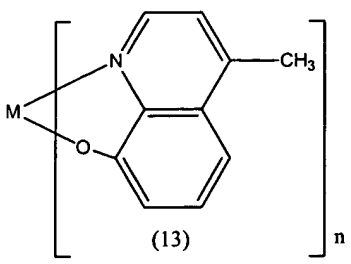
(13) (14)

G) [[K)]] MLm is represented by formula (3); M=Ir; m=1; n=2; CyN2=Pr, Py1, Py2, Pz2 [[Pz]], or Pa; CyC2=Ph, Tn1, Tn3, Np, or Qn2 and R_1-R_4=H; and

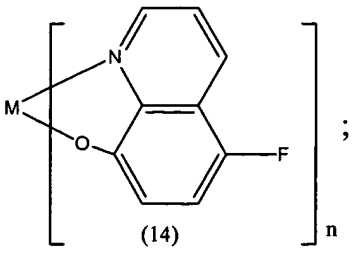
L' is represented by the following formula (11), (12), (13) or (14):



(11) (12)



(13)



(14);

H) [[L)]] MLm is represented by formula (2), m=2, n=0; M=Ir; CyN1=Pr; X=CR2; CyC1=Ph; R_1-R_4=H; R_5=R_6=F; and L'=CH_3-CO-CH-CO-CH_3;

I) [[M)]] MLm is represented by formula (2), m=3; n=0; M=Ir; CyN1=Pr; X=CR2, CyC1=Ph; R_1-R_4=H; and R_5=R_6=F;

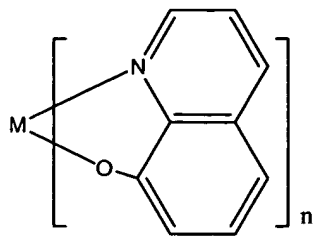
J) [[N)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1; CyN2=Pr; CyC2=Tn3; CyN3=Pr; CyC3=Ph; and R_1-R_4=H; and

K) when M=Pt:

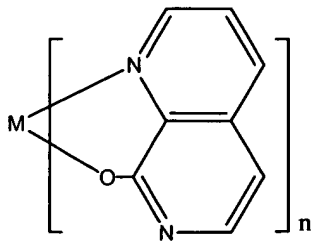
i) ~~O) when M=Pt;~~ m=1; and n=1, CyN2=CyN3=Pr; R_1-R_4 of L are H; CyC2=Ph or Tn1; CyC3=Ph, Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2 or Pz1 [[Pz]]; R_1 is CH_3 or H; R_2, and R_4 are each, independently, H or CF_3 ~~R_1=R_2=R_4=H or CF_3~~; and R_3=H; or [[and]]

ii) [[P)]] MLm is represented by formula (3); m=1; n=1; ~~M=Pt;~~ CyN2=Pr, Py1, Py2, Pz2 [[Pz]] or Pa; CyC2=Ph, Tn1, Tn3, Np, or Qn2; and R_1-R_4=H; and

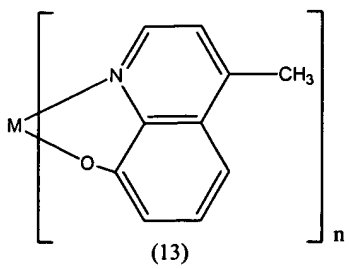
L' is represented by the following formula (11), (12), (13) or (14):



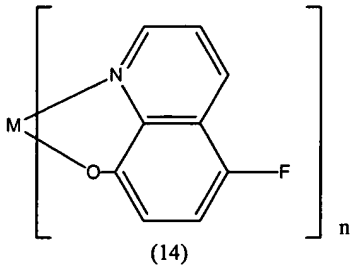
(11)



(12)



(13)

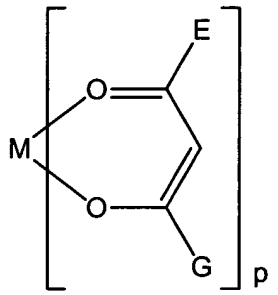


(14)

2. (Withdrawn) A compound according to claim 1, wherein the partial structure MLm is represented by the formula (2).

3. (Withdrawn) A compound according to claim 2, wherein M is Ir.

4. (Withdrawn) A compound according to claim 2, wherein the metal coordination compound has another partial structure represented by the following formula (6):



(6)

wherein M denotes Ir, Pt, Rh or Pd; p is 1; and E and G independently denote a linear or branched alkyl group having 1 - 20 carbon atom capable of including a hydrogen atom which can be replaced with a fluorine atom, or an aromatic ring group capable of having a substituent selected from the group consisting of a halogen atom; cyano group; nitro group; a trialkylsilyl group containing three linear or branched alkyl

groups each independently having 1 - 8 carbon atoms; and a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C≡C- and capable of including a hydrogen atom which can be replaced with a fluorine atom.

5. (Original) A compound according to claim 1, which exhibits a phosphorescence at the time of energy transition from an excited state to a ground state.

6. (Original) A compound according to claim 1, wherein one of the ligands L and L' is a luminescent ligand and the other ligand is a carrier transport ligand.

7. (Original) A compound according to claim 1, wherein at least one of the ligands L and L' is in a metal to ligand charge transfer excited state.

8. (Previously Presented) A compound according to claim 1, wherein the ligands L and L' include a first ligand capable of providing a first maximum luminescence wavelength $\lambda 1$ based on an excited state thereof and a second ligand capable of providing a second maximum luminescence wavelength $\lambda 2$ shorter than $\lambda 1$, the number of the first ligand providing $\lambda 1$ being smaller than that of the second ligand providing $\lambda 2$.

9. (Previously Presented) A compound according to claim 1, wherein the ligands L and L' include a stronger luminescent ligand and a weaker luminescent

ligand, the number of the stronger luminescent ligand is smaller than that of the weaker luminescent ligand.

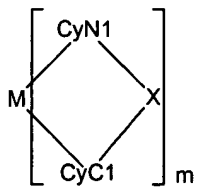
10. (Currently Amended) An organic luminescence device, comprising: a substrate, a pair of electrodes disposed on the substrate, and a luminescence function layer disposed between the pair of electrodes comprising at least one species of an organic compound,

wherein the organic compound comprises a metal coordination compound represented by the following formula (1):

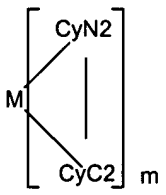
LmML'n (1),

wherein M denotes Ir, Pt, Rh or Pd; L denotes a bidentate ligand; L' denotes a bidentate ligand different from L; m is an integer of 1, 2 or 3; and n is an integer of 0, 1 or 2 with the proviso that the sum of m and n is 2 or 3,

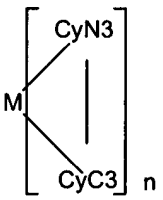
the partial structure MLm being represented by a formula (2) or a formula (3) shown below, and the partial structure ML, L' n being represented by a formula (4), [[or]] a formula (5) or a formula (6) shown below:



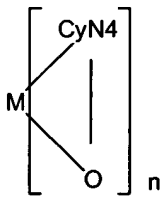
(2),



(3),



(4),



(5),

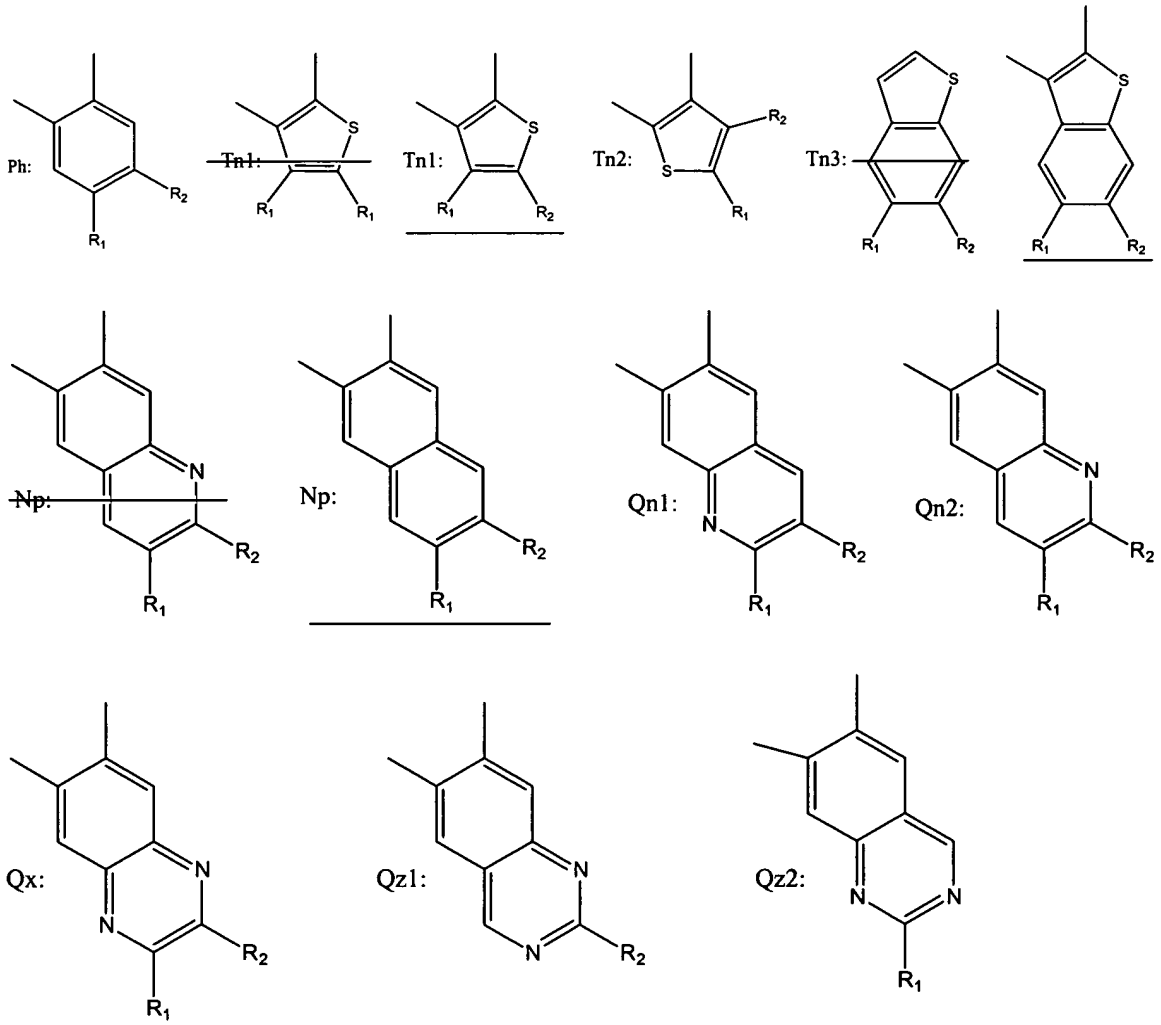
CH_3-CO-CH-CO-CH_3 (6),

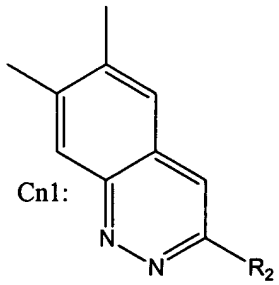
wherein:

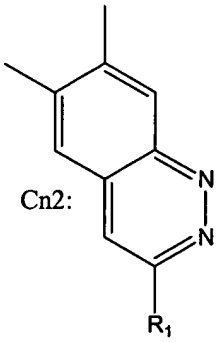
CyN1-CyN3 ~~CyN1-CyN4~~ are independently selected from the group consisting of Pr, Pd, Py1, Pa, Py2, and Pz2 [[Pz]] shown below;

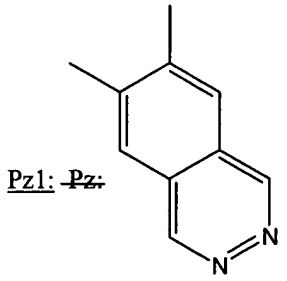
CyN4 a cyclic group comprising 8-quinoline or its derivative, having a nitrogen atom connected to M;

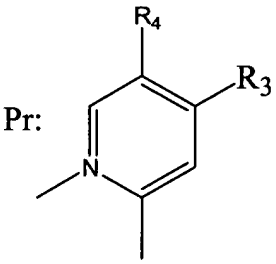
CyC1-CyC3 ~~CyN1-CyN4~~ are independently selected from the group consisting of Ph, Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2 and Pz1 [[Pz]] shown below; and X is selected from the group consisting of O, S, NR, CO, CR2 shown below:

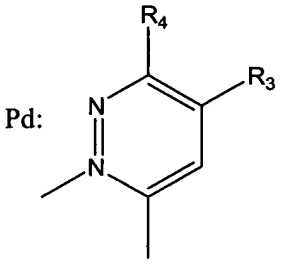


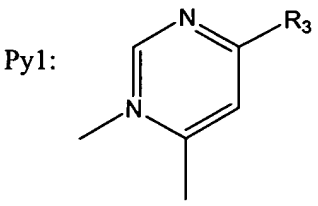


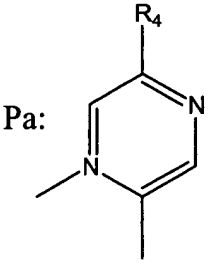


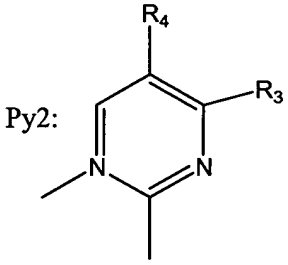


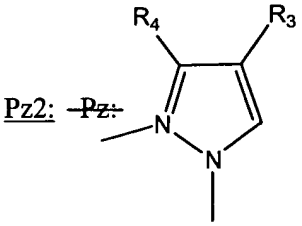


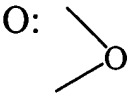


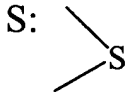


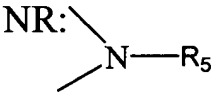


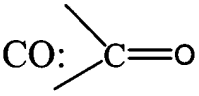


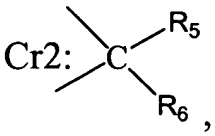












with the proviso that any one of the following conditions A) to K) [[P)]] is satisfied:

A) MLm is represented by formula (2); M is Ir, Rh, Pd or Pt; m=2 or 3; n=0, CyN1 is Pr, Pd, Py1, Pa, Py2 or Pz2 [[Pz]]; CyC1 is Ph, Tn1, Tn2, Tn3, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2 or Pz1 [[Pz]];

R_1=H;

R_2=H, CF_3 or OC_2H_5;

R_3=H, CF_3, $COOC_2H_5$ or CH_3;

R_4=H, CF_3, CH_3, OCF_3, or OC_2H_5;

R_5=H, phenyl, naphthyl, CH_3, or C_4H_9; and

R_6=H, CH_3, or C_4H_9;

B) MLm is represented by formula (2); M=Ir; m=2, n=0, CyN1=Pr; L'=CH_3-CO-CH-CO-CH_3; and any one of conditions i) to iv) is satisfied:

i) X=CR2; CyC1=Ph; R_1-R_6=H;

ii) X=CR2; CyC1=Tn1; R_1-R_6=H;

iii) X=CO; CyC1=Tn2; R_1-R_4=H; and

iv) X=CO; CyC1=Tn3; R_1-R_4=H;

~~C) MLm is represented by formula (2) or (3); ML L'n is represented by formula (4); m is 1 or 2; n is 1; M=Ir or Pt; one of CyN1 and CyN2 is Pr; X=O, CO, or NR; one of CyC1 and CyC2 is Ph, Tn1, or Qn1;~~

~~R_1-R_4 of L are H; R_5=CH_3 or C_2H_5; CyN3=Pr or Py1; CyC3=Tn1 or Ph; and~~

~~R_1 of L' is H or CH_3; and R_2-R_4=H;~~

~~D) MLm is represented by formula (3), M L'n is represented by formula (4); M=Ir; m=2; n=1;~~

~~in MLm, CyN2=Pr; CyC2=Ph or Tn1; R_1-R_4=H;~~

~~in M L'n, CyN3=Pr; CyC3=Tn3, Np, Qn1, Qn2, Qx, Qz1, Cn1, Cn2, Pz, Ph or Tn3;~~

~~R_1=H or CH_3;~~

~~R_2=H or CF_3;~~

~~R_3=H; and~~

~~R_4=H or CF_3;~~

~~E) MLm is represented by formula (3); M L'n is represented by formula (4); M=Ir; m=1; n=2;~~

~~in MLm, CyN2=Pr, CyC2=Ph or Tn1; R_1-R_4=H; and~~

~~in M L'n, CyN3=Pr; CyC3 is Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2, Pz or Ph;~~

~~R_1=H or CH_3;~~

~~R_2=H or CF_3;~~

~~R_3=H; and~~

~~R_4=H or CF_3;~~

C) [[F)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1;

in MLm, CyN2=Py1; CyC2=Ph, R_1-R_4=H;

in M L'n, CyN3=Pr; CyC3=Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2, Pz1 [[Pz]], or Ph;

R_1=H or CH_3;

R_2=H or CF_3;

R_3=H; and

R_4=H or CF_3;

D) [[G)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=1; n=2;

in MLm, CyN2=Py1; CyC2=Ph; R_1-R_4=H;

in M L'n, CyC3=Pr; CyN3 [[CyC3]] =Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2, Pz2 [[Pz]], or Ph;

R_1=H or CH_3;

R_2=H or CF_3;

R_3=H; and

R_4=H or CF_3;

E) [[H)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1;

in MLm, CyN2=Py1; CyC2=Ph; R_1-R_4=H;

in ML'n, CyN3=Pz2 [[Pz]] or Pa; and

when CyN3=Pz2 [[Pz]],

CyC3=Tn1, Tn2, or Tn3; and

R_1-R_4=H;

when CyN3=Pa, [[.]]

CyC3=Qn1 or Qn2 and

R_1-R_4=H;

F) [[I)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1;

in MLm, CyN2=Py1; CyC2=Ph, R_1-R_4=H;

in ML'n, CyN3=Py1 or Py2; and

when CyN3=Py1 and R_1-R_4=H,

CyC3=Cn1, Cn2, or Pz1 [[Pz]]; ~~and~~

~~R_1-R_4=H;~~

when CyN3=Py2 and, then, in MLm, R_1-R_4=H,

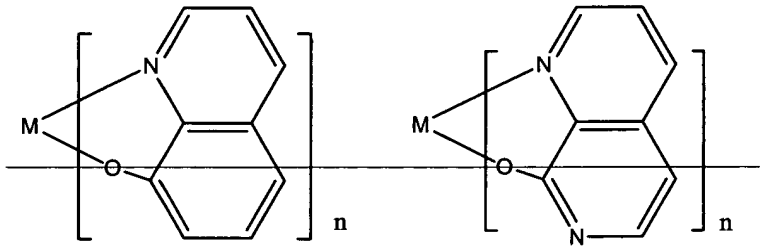
CyC3=Qx, Qz1, or Qz2; and

when CyC3=Ph or Tn3, in ML'n:

R_1 is CH_3 or H; ~~two of R_1;~~ R_2, and R_4 are, independently, H or CF_3 ~~and the remaining one thereof is CH_3~~; and R_3=H;

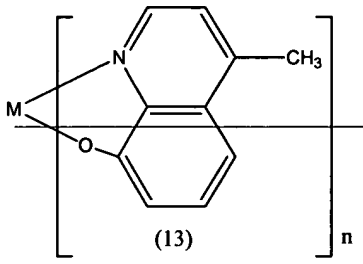
~~J) MLm is represented by formula (3); M=Ir; m=2; n=1; CyN2=Pr, Py1, Py2, Pz, or Pa; CyC2=Ph, Tn1, Tn3, Np, or Qn2; and R_1-R_4=H; and~~

~~L' is represented by the following formula (11), (12), (13), or (14):~~

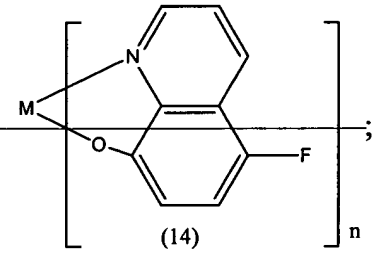


(11)

(12)



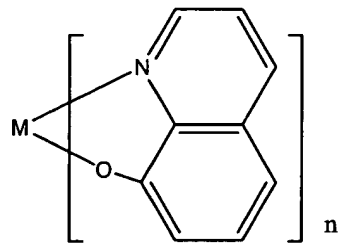
(13)



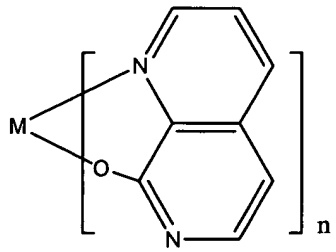
(14)

G) [[K)]] MLm is represented by formula (3); M=Ir; m=1; n=2; CyN2=Pr, Py1, Py2, Pz2 [[Pz]], or Pa; CyC2=Ph, Tn1, Tn3, Np, or Qn2 and R_1-R_4=H; and

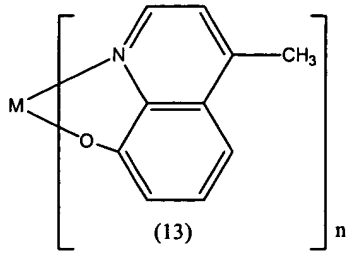
L' is represented by the following formula (11), (12), (13) or (14):



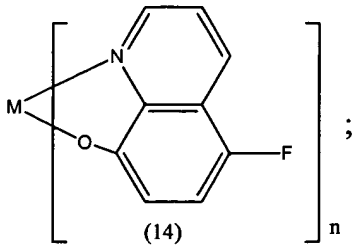
(11)



(12)



(13)



(14);

H) [[L)]] MLm is represented by formula (2), m=2, n=0; M=Ir; CyN1=Pr; X=CR2; CyC1=Ph; R_1-R_4=H; R_5=R_6=F; and L'=CH_3-CO-CH-CO-CH_3;

I) [[M)]] MLm is represented by formula (2), m=3; n=0; M=Ir; CyN1=Pr; X=CR2, CyC1=Ph; R_1-R_4=H; and R_5=R_6=F;

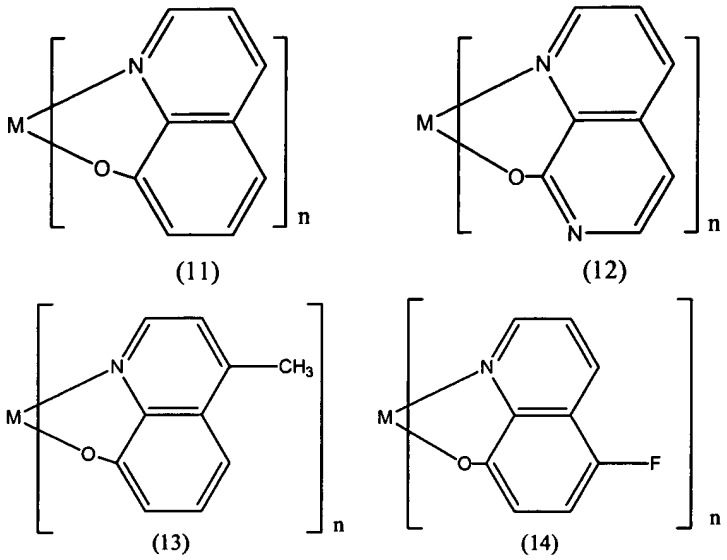
J) [[N)]] MLm is represented by formula (3); ML'n is represented by formula (4); M=Ir; m=2; n=1; CyN2=Pr; CyC2=Tn3; CyN3=Pr; CyC3=Ph; and R_1-R_4=H; and

K) when M=Pt:

i) ~~O) when M=Pt;~~ m=1; and n=1, CyN2=CyN3=Pr; R_1-R_4 of L are H; CyC2=Ph or Tn1; CyC3=Ph, Tn1, Tn2, Tn3, Np, Qn1, Qn2, Qx, Qz1, Qz2, Cn1, Cn2 or Pz1 [[Pz]]; R_1 is CH_3 or H; R_2, and R_4 are each, independently, H or CF_3 ~~R_1=R_2=R_4=H or CF_3~~; and R_3=H; or [[and]]

ii) [[P)]] MLm is represented by formula (3); m=1; n=1; ~~M=Pt;~~ CyN2=Pr, Py1, Py2, Pz2 [[Pz]] or Pa; CyC2=Ph, Tn1, Tn3, Np, or Qn2; and R_1-R_4=H; and

L' is represented by the following formula (11), (12), (13) or (14):



11. (Withdrawn) A device according to claim 10, wherein the partial structure MLm is represented by the formula (2).

12. (Withdrawn) A device according to claim 11, wherein M is Ir.

13. (Original) A device according to claim 10, wherein a voltage is applied between the pair of electrodes to cause phosphorescence from the luminescence function layer.

14. (Original) An image display device, comprising: an organic luminescence device according to claim 10 and means for supplying electrical signals to the organic luminescence device.